

What is claimed is:

1. A home network connecting apparatus for communicating with an Internet comprising:

5 an appliance having a Web server proxy agent for fetching information on an appliance connected to a home network to generate a home page, providing an HTML film format information on the appliance connected to the home network to a remote area, transmitting control information of the appliance connected to the home network received from the remote area to a pertinent appliance and
10 transmitting an operation result of the pertinent appliance to the remote area; and

an appliance having a web server FCM (Functional Component Module) operated according to a control command received from the appliance having the Web server proxy agent, wherein the two appliances are connected with a digital network.
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2, The apparatus of claim 1, wherein, when a power is ON or in occurrence of a network reset due to a plug-in/plug-out of the appliance having the Web server FCM, the Web server proxy agent performs adding or deleting of the pertinent Web server FCM and updates a home page containing link information
20 of the pertinent appliance.

3. The apparatus of claim 2, wherein the link information of the home page contains GUID of the pertinent appliance.

25 4. The apparatus of claim 1, wherein the appliance having the Web

proxy server agent includes its own FCM.

5. The apparatus of claim 1, wherein the digital network is a HAVi.

6. The apparatus of claim 1, wherein the information is transmitted as a file of a format such as HTML.

7. The apparatus of claim 1, wherein the FCM is transmitted in the following API format:

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StatusWebServer: :GetHTMLFile(  
    In sequence<octet>link  
    Out sequence<octet>html)
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wherein link is link information of the HTML file and the HTML is a HTML file corresponding to the link.

8. The apparatus of claim 1, wherein the appliances having the Web proxy agent among the home appliances connected to the home network are set as a root directory and the GUID of an appliance having the Web server FCM is set as a child directory to inform pass information of a link.

9. The apparatus of claim 1, wherein the appliance having the proxy server receives a request signal inputted through the Internet and provides an HTML file for the pertinent appliance.

10. The apparatus of claim 1, wherein the Web proxy server agent is

included in one of the appliances connected to the home network.

11. A method for controlling a home network connecting apparatus comprising:

5 a step in which when an appliance having a Web server FCM is turned on, an SEID is assigned and registered as a Web server FCM in a software element (SE) of a home network;

10 a step in which when the Web server FCM comes in, the appliance having a Web proxy server agent fetches an image file from the connected appliance and construct a home page of the Web servers connected to the home network;

15 a step in which when a user from a remote area accesses the home page of the home network through the Internet and selects an icon having LINK information, an appliance having a Web proxy server agent fetches control information from the selected appliance and provides it to the remote area user; and

a step in which when the remote area user selects one of the control information of the selected appliance, the information is transmitted to the appliance having the Web server FCM to perform a corresponding operation.

20 12. The method of claim 11, wherein the step of constructing a home page comprises:

determining whether there is a FCM which has been registered as a Web server FCM, when the network is reset;

adding an SEID of a new FCM, if there is a new FCM;

25 fetching an image file from an appliance where the SEID has been added

and assigning link information in a html file format; and

deleting a SEID of a FCM and link information if the FCM has been registered the Web server FCM and released from the Web server FCM.

5 13. The method of claim 11, further comprising a step in which after the appliance having the Web server FCM performs the corresponding operation, the result is transmitted through the appliance having the Web server proxy agent to a remote area.